BRUHATH BANGALORE MAHANAGARA PALIKE

Yelahanka Division

Comparitive Statement

Name of Work: Restoration and Improvements of Balance roads of Brundhavana layout, Balaji layout, BHEL 1st phase and 2nd phase layout, Lakshmalahreddy layout, Naidu layout, Jyothinagara 2nd and 3rd phase, Ramanna garden and surrounding areas in ward no -03 of Yelahanka New town Sub division (PACKAGE NO-07)

Estimate Amount:- 10,00,00,000.00

Name of Contractor:- SRI.S R MOHAN KUMAR

Approved amount:- 8,83,75,606.90

Tender premium:- 1% above

Sl. No.	Description of Work	Unit	Qty as per ScheduleB			Total Qty Executed	Qty. as per Actuals upto 125%			Qty. as per Actuals above 125%			Total		Difference		Remarks
			Qty	Rates	Amount		Qty.	Rates	Amount	Qty.	Rates	Amount	Qty	Amount	Excess	Savings	
1	2	3	7	8	9	10	11	12	13	14	15	16	16	17	18	19	20
1	KSRRB300-1. Earthwork excavation by manual means for roads, drains & similar works in ordinary soil excavated surface levelled and sides neatly dressed, the disposed earth to be levelled neatly after breaking of clods complete as per specifications.	Cum	5220.05	217.43	1135010.09	6292.48	6292.48	217.43	1368191.55	0.00	217.43	0.00	6292.48	1368191.55	233181.46	0.00	
2	KSRB 4-1.3 : Providing and laying in position plain cement concrete of Mix 1:4:8 with OPC @ 180kgs, with 40mm and down size graded granite metal coarse aggregates @0.85cum and fine aggregates @ 0.57cum machine mixed, machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted, in foundation, including cost of all materials, labour, HOM curing complete as per specifications.	Cum	914.44	5675.99	5190350.38	889.01	889.01	5675.99	5045981.62	0.00	5675.99	0.00	889.01	5045981.62	0.00	144368.75	
3	KSRRB M2200-6. Providing TMT Bars Fe 500 steel reinforcement for R.C.C. work including straightening, cutting, bending, hooking, placing in postion, lapping and/or welding wherever required, tying with binding wire and anchoring to the adjoining members wherever necessary complete as per design (laps, hooks and wastage shall not be measured and paid) cost of materials, labour, HOM complete as per specification.	Ton	110.96	80948.07	8981997.40	93.73	93.73	80948.07	7587606.95	0.00	80948.07	0.00	93.73	7587606.95	0.00	1394390.45	
4	Providing and laying plain/reinforced cement concrete for side drains using M20 nominal mix concrete with OPC at 300 kgs. With 20mm and sown size granite metal course aggregates at 0.69 cum and fine aggregates at 0.43 cum machine mixed, well compcted for walls and bottom including centring shuttering cost of material HOM of machinary curing etc., complete execluding cost of steel as per MORTH specification no. 1500, 1700, 2200 including cost of material labour HOM complete as per specification.	Cum	1820.16	7497.22	13646139.77	1810.57	1810.57	7497.22	13574251.93	0.00	7497.22	0.00	1810.57	13574251.93	0.00	71887.84	
5	Providing and Fixing Pre cast covering Slab 100mm thick made out of CC, jelly 20mm Down size with steel reinforcement including form work,curing,including cost of alll materials, labour,hire charges of machinery, loading, unloading, lead and lift,transportation etc ,complete.	Sqm	3781.19	1941.22	7340121.65	4557.16	4557.16	1941.22	8846450.14	0.00	1941.22	0.00	4557.16	8846450.14	1506328.48	0.00	
6	Removing and refixing stone slabs of drains and pointing in CM (1:3)	Sqm	900.30	112.41	101205.42	447.84	447.84	112.41	50343.04	0.00	112.41	0.00	447.84	50343.04	0.00	50862.39	

complete execluding cost of steel as per MORTH specification
1700 2200 including cost of material labour HOM

Sl. No.	Description of Work	Unit	Qty as per Schedule8			Total Qty Executed	Qty. as per Actuals upto 125%			Qty. as per Actuals above 125%			Total		Difference		Remarks
			Qty	Rates	Amount		Qty.	Rates	Amount	Qty.	Rates	Amount	Qty	Amount	Excess	Savings	
1	2	3	7	8	9	10	11	12	13	14	15	16	16	17	18	19	20
7	KSRB 5-8.1 : Providing one line dressing to granite stone slab / granite stone masonry as per specifications.	Sqm	900.30	960.33	864583.48	447.84	447.84	960.33	430073.38	0.00	960.33	0.00	447.84	430073.38	0.00	434510.10	
8	Providing and fixing RCC precast cover slab of 230mm thick for drain in cement concrete 1:1.5:3 using graded granite jelly 20mm and down size with steel reinforcement, including form work, lift charges, curing and concrete finished surfaces on both sides etc, complete and as per drawing and the directions of Engineer in-charge.	Sqm	227.22	4530.86	1029502.01	116.10	116.10	4530.86	526032.85	0.00	4530.86	0.00	116.10	526032.85	0.00	503469.16	
9	KSRB 4-1.6 , Providing and laying in position plain cement concrete of Mix 1:2:4 with OPC @ 240kgs, with 20mm and down size graded granite metal coarse aggregates @ 0.878 cum and fine aggregtes @ 0.53cum, machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted, in foundation, plinth and cills, including cost of all materials, labour, HOM curing complete as per specifications.	Cum	117.32	6089.85	714460.67	57.04	57.04	6089.85	347358.70	0.00	6089.85	0.00	57.04	347358.70	0.00	367101.98	
10	Providing and fixing pre cast solid cement concrete kerb stones made out of CC 1:2:4 with top and bottom width 114 and 165 mm respectively, 400mm high and 450mm in length finished with CM 1:3 plastering and finishing cutting including formwork, curing, including cost of materials, labour charges of machinery, loading and unloading, lead and lift, transportation ete.	Nos	13035.00	436.80	5693750.57	9506.50	9506.50	436.80	4152484.83	0.00	436.80	0.00	9506.50	4152484.83	0.00	1541265.74	
11	Painting two coats after filling the surface with synthetic enamel paint in approved shades on new plastered concrete surfaces, with materials, labour complete as per specifications.	Sqm	1759.77	85.65	150720.78	908.58	908.58	85.65	77818.06	0.00	85.65	0.00	908.58	77818.06	0.00	72902.72	
12	KSRRB M300-14. Excavation for roadwork in soil with hydraulic excavator of 0.9 cum bucket capacity including cutting and loading in tippers, trimming bottom and side slopes, in accordance with requirements of lines, grades and cross sections, and transporting to the embankment location to a lead of 1km and complete as per specifications.	Cum	11437.20	64.58	738607.51	9578.66	9578.66	64.58	618583.99	0.00	64.58	0.00	9578.66	618583.99	0.00	120023.52	
13	KSRRB 300-58. Compaction of original ground with maximum of 6 passes of 8 to 10 tonnes power roller including filling in depression occuring during rolling including cost of all labour, HOM of machinery complete as per specifications.	Sqm	28471.89	6.42	182892.03	23932.39	23932.39	6.42	153732.12	0.00	6.42	0.00	23932.39	153732.12	0.00	29159.92	
14	KSRRB M300-53. Construction of embankment with approved material Gravel /Murrum with all lifts and leads, transporting to site, spreading, grading to required slope and compacting to meet requirement Table 300-2 complete as per specifications, including cost of gravel / murrum, watering charges & compaction by vibratory roller to 95% of proctors density.	Cum	799.39	347.95	278143.75	0.00	0.00	347.95	0.00	0.00	347.95	0.00	0.00	0.00	0.00	278143.75	

complete excluding ...
... 1700 2200 including cost of material labour HOM

Sl. No.	Description of Work	Unit	Qty as per ScheduleB			Total Qty Executed	Qty. as per Actuals upto 125%			Qty. as per Actuals above 125%			Total		Difference		Remarks
			Qty	Rates	Amount		Qty.	Rates	Amount	Qty.	Rates	Amount	Qty	Amount	Excess	Savings	
	2	3	7	8	9	10	11	12	13	14	15	16	16	17	18	19	20
15	Construction of granular sub-base Grading-V as Sub-base and drainage layer by providing coarse graded crushed stone aggregates of granite/ trap/basalt material, mixing in a mechanical mix plant at OMC, Carriage of mixed material to work site, spreading in uniform layers with motor grader on prepared surface and compacting with vibratory power roller to achieve the 98 % proctor density, complete as per specifications.	Cum	4270.78	2014.87	8605063.08	4400.34	4400.34	2014.87	8866107.24	0.00	2014.87	0.00	4400.34	8866107.24	261044.16	0.00	
16	KSRRB M400-17. Providing, laying, spreading and compacting crushed stone aggregates of granite / trap / basalt to wet mix macadam specifications including pre mixing the material with water at OMC in mechanical mix plant carriage of mixed materials by tipper to site, laying in uniform layers with paver in sub-base/base course on well prepared surface and compacting with vibratory roller to achieve the desired density complete as per specifications.	Cum	5694.38	2021.29	11510009.29	4773.17	4773.17	2021.29	9647969.05	0.00	2021.29	0.00	4773.17	9647969.05	0.00	1862040.23	
17	KSRRB M500-6. Providing and applying primer coat with S.S. bitumen emulsion on prepared surface of granular base such as WMM including cleaning of road surface and spraying primer at the rate of 0.60 kg / sqm using mechanical means complete as per specification.	Sqm	28471.89	34.26	975424.17	23554.52	23554.52	34.26	806958.87	0.00	34.26	0.00	23554.52	806958.87	0.00	168465.30	
18	KSRRB M500-17. Providing and laying dense graded bituminous macadam using crushed aggregates of specified grading, premixed with VG30 grade bituminous binder and, transporting the hot mix to work site, laying to the required grade, level and alignment, rolling with smooth wheeled, vibratory and tandem rollers to achieve the desired compaction in all respects complete as per specifications Clause 505 of MORTH V revisionusing 40/60 TPH capacity H.M.P. with Mechanical paver Gr-II (50 mm to 75 mm) with 4.5 % VG-30 Bitumen.	Cum	1423.59	7365.73	10485776.72	1177.73	1177.73	7365.73	8674807.90	0.00	7365.73	0.00	1177.73	8674807.90	0.00	1810968.82	
19	KSRRB 500-7. Providing and applying tack coat using 80/100 grade bitumen(VG10) on the prepared black topped surfaces at 2.5 kg per 10 sqm, heating bitumen in boiler fitted with spray set (excluding cleaning of road surface) including cost of all materials, labour, HOM complete as per specifications.	Sqm	28471.89	12.85	365784.07	23554.52	23554.52	12.85	302609.58	0.00	12.85	0.00	23554.52	302609.58	0.00	63174.49	
20	KSRRB M500-19. Providing and laying bituminous concrete using crushed aggregates of specified grading, premixed with bituminous binder and filler, transporting the hot mix to work site, laying with a paver finisher to the required grade, level and alignment, rolling with smooth wheeled, vibratory and tandem rollers to achieve the desired compaction in all respects complete as per specifications. Clause 507 of MORTH V revision using40/60 TPH capacity H.M.P. with Mechanical Paver Gr-II (30 mm to 40 mm) with 5.4% VG-30 Bitumen.	Cum	1138.88	8534.82	9720139.45	942.18	942.18	8534.82	8041345.18	0.00	8534.82	0.00	942.18	8041345.18	0.00	1678794.26	

complete execluding cost of steel as per MORTH specification
1700 2200 including cost of material labour HOM

Twenty Two Only

Sl. No.	Description of Work	Unit	Qty as per ScheduleB			Total Qty Executed	Qty. as per Actuals upto 125%			Qty. as per Actuals above 125%			Total		Difference		Remarks
			Qty	Rates	Amount		Qty.	Rates	Amount	Qty.	Rates	Amount	Qty	Amount	Excess	Savings	
	2	3	7	8	9	10	11	12	13	14	15	16	17	18	19	20	
21	KSRRB M800-13.Road Marking with Hot Applied Thermoplastic Compound with Reflectrising Glass Beads on Bituminous Surface/ Concrete Surface: Providing and laying of hot applied thermoplastic compound 2.5 mm thick including reflectorising glass beads at 250 gms per sqm area, thickness of 2.5 mm is exclusive of surface applied glass beads as per IRC:35 standards specified. The finished surface to be level, uniform and free from streaks and holes complete as per specifications.	Sqm	936.16	459.29	429966.49	683.54	683.54	459.29	313941.31	0.00	459.29	0.00	683.54	313941.31	0.00	116025.18	
22	KSRRB M800-35. Supply and Installition of Moulded Shank Raised Pavement Markers made of polycarbonate and ABS(Acrylonitrile Butadiene Styrene) moulded body and reflective panels with micro prismatic lens capable of providing total internal reflection of the light entering the lens face and shall support a load of 16000 kg tested in accordance to Specifications of Category A of MORTH Circular No RW/ NH/33023/10-97 – DO III Dt 11.06. 1997. The height, width and length shall not exceed 50 mm, 100 mm and 102 mm and with minimum reflective area of 13 Sqcm on each side and the slope to the base shall be 35 degree. The strength of detachment of the integrated cylindrical shanks, (of diameter not less than 19 mm and height not less than 30 mm) from the body is to be a minimum value of 500 Kg. Fixing will be by drilling holes on the road for the shanks to go inside, without nails and using epoxy resin based adhesive as per manufacturer's recommendation and complete as directed by the engineer.	Nos	654.00	360.79	235958.10	0.00	0.00	360.79	0.00	0.00	360.79	0.00	0.00	0.00	0.00	235958.10	
					88375606.90				79432648.29				0.00	79432648.29	2000554.10	10943512.71	
	EIRL																
E1	KSRRB M300-14. Excavation for roadwork in soil with hydraulic excavator of 0.9 cum bucket capacity including cutting and loading in tippers, trimming bottom and side slopes, in accordance with requirements of lines, grades and cross sections, and transporting to the embankment location to a lead of 1km and complete as per specifications.									1080.64	63.94	69096.12	1080.64	69096.12	69096.12		
E2	KSRB 4-1.3 : Providing and laying in position plain cement concrete of Mix 1:4:8 with OPC @ 180kgs, with 40mm and down size graded granite metal coarse aggregates @0.85cum and fine aggregates @ 0.57cum machine mixed, machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted, in foundation, including cost of all materials, labour, HOM curing complete as per specifications.									810.48	5619.79	4554727.40	810.48	4554727.40	4554727.40		

Sl. No.	Description of Work	Unit	Qty as per Schedule8			Total Qty Executed	Qty. as per Actuals upto 125%			Qty. as per Actuals above 125%			Total		Difference		Remarks
			Qty	Rates	Amount		Qty.	Rates	Amount	Qty.	Rates	Amount	Qty	Amount	Excess	Savings	
	2	3	7	8	9	10	11	12	13	14	15	16	10	17	18	19	20
E3	Cement concrete pavement Construction of un-reinforced plain cement concrete pavement,Thickness as per design, over a prepared sub base with 53 grade cement or any other type as per clause 1501.2.2 M30 (Grade) coarse and fine aggregate confirming to IS: 383 Maximum size of coarse aggregate not exceeding 25mm, mixed in a concrete mixer of not less than 0.2 cum capacity and appropriate weight batcher as per approved mix design laid in approved fixed of 125 micron thick polythene film, wedges steel plates including levelling the form work as per drawing) spreading the concrete with shovels rackers compacted using needle screed and plate vibrator and finished in a continuous operation including provision of construction joints primer joint sealant curring of concrete slabs for 14 days and wateri finishing to lines and grade as per drawing and technical specification clause 1501 with all lead lifts loading & unloading charges cost and conveyance of all materials (P.No-176,I No-22.61)									810.48	5325.54	4316324.71	810.48	4316324.71	4316324.71		
	Sub Total				88375606.90				79432648.29			8940148.23		88372796.52	10940702.33	10943512.71	
	Miscellaneous & Rounding off													2810.38	2810.38		
	Total				88375606.90									88375606.90	10943512.71	10943512.71	

1	SANCTIONED ESTIMATE COST	100000000.00
2	SANCTIONED TENDER COST	88375606.90
3	WORK SLIP AMOUNT	2000554.10
4	% OF WORK SLIP COMP TO SANCTIONED TENDER COST	2.26%
5	EIRL AMOUNT	8940148.23
6	% OF EIRL COMP TO SANCTIONED TENDER COST	10.12%
7	EXCESS AMT TO AGREEMENT COST	0.00
8	% OF EXCESS AMT COMP TO SANCTIONED TENDER COST	0.00%
9	SAVINGS AMT TO AGREEMENT COST	2810.38
10	% OFSAVINGS AMT COMP TO SANCTIONED TENDER COST	0.00%

MOHAN KUMA
Contractor
Class-1 Contractor

Assistant Engineer

Asst. Executive Engineer

ಕಾರ್ಯನಿರ್ವಾಹಕ Engineer ರವರು
ಬೃಹತ್ ಬೆಂಗಳೂರು ಮಹಾನಗರ ಪಾಲಿಕೆ
ಯಲಹಂಕ ವಿಭಾಗ

ಮುಖ್ಯ ಅಭಿಯಂತರರು
ಯಲಹಂಕ ವಲಯ
ಬೃಹತ್ ಬೆಂಗಳೂರು ಮಹಾನಗರ ಪಾಲಿಕೆ

cost of material ... MORTH specification